

Executive Summary Report

SMOG CHECK Statewide

Second Quarter 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,900,316	336,357	11.60%
Total	3,305,748	427,804	12.94%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,534,871	87.40%	365,445	12.60%
Total	2,838,083	85.85%	467,665	14.15%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,593,003	86.58%	246,903	13.42%
Total	1,811,313	85.22%	314,240	14.78%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	35,584	1.23%
All Emissions	164,764	5.68%
All Visual	45,452	1.57%
All Functional	205,885	7.10%
OBDII	140,795	4.85%
Overall	336,357	11.60%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,139,907	1,040,035
Directed Vehicles	699,999	552,968
Total	1,839,906	1,593,003

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	176,904	157,002
Directed Vehicles	58,234	43,575
Total	235,138	200,577

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,528	291	559	30	0	4,408
Test Only	2,723	50	28	1	0	2,802
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	470	27	42	75	0	614
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	248	9	37	2	0	296
Unknown Type	1	0	0	0	0	1
Total	7,039	378	777	109	0	8,303

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,325,934	278,378	11.97%	28,643	1.23%
Partially Enhanced	148,071	19,502	13.17%	2,007	1.36%
Basic	259,401	23,148	8.92%	2,892	1.11%
Change of Ownership	17,945	2,367	13.19%	465	2.59%
No Program	24	1	4.17%	0	0.00%
Unknown Program	148,941	12,961	8.70%	1,577	1.06%
Total Program Area	2,900,316	336,357	11.60%	35,584	1.23%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,839,906	242,429	13.18%	26,294	1.43%
Regular	796,775	59,101	7.42%	5,369	0.67%
Basic Area Dealer	16,782	556	3.31%	40	0.24%
Gold Shield in Enhanced Area	181,260	26,297	14.51%	2,737	1.51%
Gold Shield in Basic Area	31,867	3,771	11.83%	500	1.57%
Gold Shield in COO Area	22,011	2,656	12.07%	470	2.14%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	119	8	6.72%	1	0.84%
Referee	1,284	626	48.75%	85	6.62%
Government Fleet	10,306	913	8.86%	88	0.85%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	2,900,316	336,357	11.60%	35,584	1.23%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	1	1	100.00%	100.00%	100.00%	0.00%	100.00%	0.00%
MY-1970	2	1	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1976	2,973	827	27.82%	18.87%	8.58%	15.30%	8.48%	0.00%
MY-1977	3,761	1,095	29.11%	19.41%	7.34%	15.58%	8.51%	0.00%
MY-1978	4,470	1,284	28.72%	18.90%	8.37%	15.50%	8.55%	0.00%
MY-1979	4,499	1,343	29.85%	20.87%	9.07%	16.49%	9.02%	0.00%
MY-1980	2,726	759	27.84%	20.25%	9.50%	14.12%	7.92%	0.00%
MY-1981	3,339	1,061	31.78%	25.22%	10.27%	14.02%	8.30%	0.00%
MY-1982	3,762	1,172	31.15%	24.93%	8.88%	14.62%	8.03%	0.00%
MY-1983	5,183	1,610	31.06%	24.27%	8.76%	14.26%	7.62%	0.00%
MY-1984	8,923	2,898	32.48%	25.94%	10.42%	14.89%	7.51%	0.00%
MY-1985	11,937	3,798	31.82%	25.13%	8.77%	14.54%	6.91%	0.00%
MY-1986	16,543	4,976	30.08%	22.87%	8.26%	14.59%	6.58%	0.00%
MY-1987	19,268	5,910	30.67%	23.98%	8.06%	13.83%	6.05%	0.00%
MY-1988	23,674	6,737	28.46%	22.18%	6.64%	12.96%	5.27%	0.00%
MY-1989	32,103	8,828	27.50%	21.03%	6.01%	12.49%	4.89%	0.00%
MY-1990	40,861	11,006	26.94%	20.90%	5.54%	11.82%	4.07%	0.00%
MY-1991	48,546	12,853	26.48%	20.52%	5.20%	11.61%	3.90%	0.00%
MY-1992	50,939	13,418	26.34%	20.47%	5.04%	10.73%	3.68%	0.00%
MY-1993	61,954	17,304	27.93%	22.37%	4.35%	10.63%	3.60%	0.00%
MY-1994	83,617	20,833	24.91%	19.10%	3.30%	9.75%	3.36%	0.00%
MY-1995	84,384	20,709	24.54%	18.90%	3.19%	9.18%	3.34%	0.00%
MY-1996	117,425	21,694	18.47%	9.85%	1.26%	10.43%	2.25%	9.29%
MY-1997	111,853	20,451	18.28%	8.94%	1.29%	11.17%	2.13%	10.01%
MY-1998	170,576	22,383	13.12%	5.60%	0.86%	8.40%	1.58%	7.72%
MY-1999	146,324	18,194	12.43%	4.25%	0.71%	8.90%	1.66%	8.30%
MY-2000	278,364	25,826	9.28%	2.45%	0.44%	7.02%	1.11%	6.70%
MY-2001	139,978	17,899	12.79%	2.27%	0.42%	10.98%	1.28%	10.79%
MY-2002	314,200	24,860	7.91%	1.13%	0.21%	6.74%	0.88%	6.61%
MY-2003	120,291	9,981	8.30%	1.54%	0.25%	7.01%	0.96%	6.93%
MY-2004	356,701	16,626	4.66%	0.57%	0.11%	3.99%	0.51%	3.92%
MY-2005	103,195	5,399	5.23%	0.86%	0.10%	4.42%	0.62%	4.35%
MY-2006	367,911	11,764	3.20%	0.39%	0.06%	2.70%	0.35%	2.66%
MY-2007	52,697	1,178	2.24%	0.42%	0.07%	1.78%	0.30%	1.74%
MY-2008	47,460	921	1.94%	0.37%	0.05%	1.64%	0.16%	1.60%
MY-2009	16,086	245	1.52%	0.41%	0.03%	1.31%	0.12%	1.28%
MY-2010	18,740	208	1.11%	0.17%	0.02%	0.90%	0.14%	0.88%
MY-2011	18,044	194	1.08%	0.27%	0.02%	0.92%	0.05%	0.90%
MY-2012	6,853	105	1.53%	0.50%	0.06%	1.17%	0.22%	1.12%
MY-2013	149	6	4.03%	0.00%	0.00%	4.03%	0.00%	4.03%
MY-2014	2	0	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,900,316	336,357	11.60%	5.68%	1.23%	7.10%	1.57%	4.85%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,251
Certificate of Non Compliance	1
Parts Cost	394
Hardship Extensions	168
Exempt Vehicle	100
Exempted by Directive	12
Parts Exemption	25
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,951

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	974
Stations Locked-Out at Least Once	1,481
Stations Conducted at Least One Test	7,329

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,745	5,982
EA	Gas Endorsement	10	0
EB	Both Endorsement	43	0
EB	Gas Endorsement	470	0
EU	Both Endorsement	1	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,552,412	47.02	238,757	47.96	1,791,169	47.15
Test and Repair	498,197	47.39	271,054	46.38	769,251	47.03
Test and Repair Dealer	51	75.73	15,567	53.32	15,618	53.39
Referee	559	30.00	199	30.00	758	30.00
Gold Shield in Enhanced Area	152,011	46.33	25,161	47.97	177,172	46.56
Gold Shield in Basic Area	1,453	58.27	29,405	36.66	30,858	37.68
Gold Shield in COO Area	5,535	50.99	15,343	50.21	20,878	50.41

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	10,870	23.20	47,158	287.57
	\$51-150	9,534	101.01		
	\$151-250	7,517	201.53		
	\$251-450	10,323	340.88		
	Over \$450	8,914	820.32		
CAP Repairs	\$1-50	173	25.08	1,562	354.76
	\$51-150	205	98.42		
	\$151-250	153	200.75		
	\$251-450	351	351.27		
	Over \$450	680	552.38		
Total Repairs	\$1-50	10,541	23.29	47,523	297.02
	\$51-150	9,431	101.04		
	\$151-250	7,508	201.75		
	\$251-450	10,467	341.15		
	Over \$450	9,576	817.82		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	1,492	354.76

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Basic Area	3	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	21	8	1	1	3	5	4	2

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	150	22	4	2	9	13	10	3
Acceleration Simulation Mode (ASM)	Basic	Test Only	188	27	0	3	12	11	17	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	31	3	0	0	1	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	20	4	2	0	1	2	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	968	195	20	14	62	110	96	29
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	3,607	655	67	35	288	320	412	88
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	114,282	21,133	2,132	1,479	8,547	10,726	12,702	3,130
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	202	14	5	118	61	144	6
Acceleration Simulation Mode (ASM)	Enhanced	Referee	326	390	56	159	102	181	231	213
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	358,571	25,789	1,880	1,721	14,556	9,200	17,982	3,166
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,261,718	209,331	22,621	13,404	78,327	113,340	120,561	27,370
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	198	46	2	0	20	22	27	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	823	174	19	2	84	90	111	8
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,385	1,789	179	106	730	909	1,059	234
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	6	0	0	6	1	6	0
Acceleration Simulation Mode (ASM)	Partial	Referee	17	32	4	17	6	14	19	20
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	59,135	9,153	895	533	3,358	4,912	5,141	1,105
Acceleration Simulation Mode (ASM)	Partial	Test Only	39,745	6,825	745	491	2,542	3,657	3,904	985
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	2	12	2	0	1	11	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	206	27	3	2	14	9	17	3

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,547	735	75	66	355	339	491	139
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	628	72	3	90	498	155	11
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	38	10	17	6	23	24	26
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	36,902	2,864	275	218	1,456	1,260	1,887	413
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	44,721	5,843	802	491	2,606	3,004	3,623	894
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	22,563	3,074	422	279	1,219	954	2,057	630
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	670	98	21	7	37	41	64	17
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,932	628	107	52	262	212	442	103
Two Speed Idle (TSI)	Basic	Government Fleet	0	11	1	0	9	2	9	0
Two Speed Idle (TSI)	Basic	Referee	55	61	8	32	11	12	43	39
Two Speed Idle (TSI)	Basic	Test and Repair	151,271	14,277	1,731	901	6,617	4,147	10,451	1,971
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,412	433	35	25	220	87	327	59
Two Speed Idle (TSI)	Basic	Test Only	33,454	4,013	562	285	1,755	1,336	2,719	680
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	171	39	7	2	8	17	23	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,938	996	226	67	337	478	616	142
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	277	70	17	4	27	30	53	15
Two Speed Idle (TSI)	Change of Ownership	Referee	3	5	2	2	1	2	3	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,078	675	106	70	294	223	511	124
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	127	4	0	0	4	1	4	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	3,231	539	105	68	186	215	349	117
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,865	192	21	34	76	55	130	51
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	3,008	266	53	21	153	90	193	38
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	16,366	1,509	188	101	900	346	1,165	200
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	48	1	0	33	11	38	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	27	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Enhanced	Referee	70	42	4	18	18	9	26	22
Two Speed Idle (TSI)	Enhanced	Test and Repair	69,466	3,540	284	225	2,454	592	2,881	387

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,386	44	2	2	33	6	38	3
Two Speed Idle (TSI)	Enhanced	Test Only	169,577	13,256	1,299	757	8,661	2,878	10,266	1,510
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	160	22	1	2	10	3	19	4
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	253	19	5	0	9	6	14	4
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,020	101	22	9	47	33	71	18
Two Speed Idle (TSI)	Partial	Test and Repair	7,584	570	75	45	300	162	410	84
Two Speed Idle (TSI)	Partial	Test Only	4,574	436	60	36	246	111	312	68
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	999	131	25	18	50	44	87	37
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,858	375	76	28	173	155	256	49
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,185	97	16	5	54	32	65	14
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	11	0	0	8	3	8	0
Two Speed Idle (TSI)	Unknown Program	Referee	21	10	1	5	1	6	6	9
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,508	1,138	119	113	662	280	873	183
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,730	36	3	4	25	7	27	5
Two Speed Idle (TSI)	Unknown Program	Test Only	12,394	853	98	83	554	180	658	133
UnKnown TestType	Basic	Gold Shield in Basic Area	814	45	0	7	29	45	29	19
UnKnown TestType	Basic	Gold Shield in COO Area	60	5	0	1	3	5	3	3
UnKnown TestType	Basic	Gold Shield in Enhanced Area	198	14	0	5	10	15	10	6
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	6	0	0
UnKnown TestType	Basic	Referee	7	4	0	4	0	4	0	4
UnKnown TestType	Basic	Test and Repair	6,206	337	0	29	272	368	272	74
UnKnown TestType	Basic	Test and Repair Dealer	932	30	0	2	26	37	26	5
UnKnown TestType	Basic	Test Only	1,187	59	0	11	39	61	39	22
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	3	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	236	14	0	1	10	14	10	5
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	11	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Referee	0	2	0	2	1	2	1	2
UnKnown TestType	Change of Ownership	Test and Repair	209	7	0	0	7	8	7	0
UnKnown TestType	Change of Ownership	Test Only	100	5	0	2	2	6	2	3

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Enhanced	Gold Shield in Basic Area	72	6	0	0	5	6	5	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	242	14	0	4	7	29	7	8
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,647	174	0	25	131	201	131	50
UnKnown TestType	Enhanced	Government Fleet	0	4	0	0	4	101	4	0
UnKnown TestType	Enhanced	Referee	32	13	0	12	2	14	2	13
UnKnown TestType	Enhanced	Test and Repair	9,988	491	0	67	389	583	389	113
UnKnown TestType	Enhanced	Test and Repair Dealer	75	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Test Only	18,943	1,074	0	186	773	1,130	773	348
UnKnown TestType	Partial	Gold Shield in Basic Area	15	4	0	0	3	4	3	1
UnKnown TestType	Partial	Gold Shield in COO Area	60	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	402	30	0	6	19	30	19	12
UnKnown TestType	Partial	Referee	4	2	0	2	0	2	0	2
UnKnown TestType	Partial	Test and Repair	2,969	191	0	34	139	200	139	59
UnKnown TestType	Partial	Test and Repair Dealer	21	2	0	0	2	2	2	0
UnKnown TestType	Partial	Test Only	1,487	92	0	19	65	93	65	35
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	45	3	0	0	1	4	1	2
UnKnown TestType	Unknown Program	Gold Shield in COO Area	251	11	0	2	5	11	5	6
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	207	8	0	4	3	15	3	6
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	63	1	0
UnKnown TestType	Unknown Program	Referee	58	24	0	23	1	23	1	23
UnKnown TestType	Unknown Program	Test and Repair	1,509	44	0	5	30	68	30	15
UnKnown TestType	Unknown Program	Test and Repair Dealer	84	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Test Only	1,654	71	0	14	44	120	44	32